

WHAT IS CLAIMED IS:

1. A work standard creation system for creating a work standard data related to an assembly work of various goods to manage the assembly work of the goods, comprising:

input means for describing a work related to each work standard using an operation phrase representing an operation of the work, an object phrase representing a target of the operation, and a comment phrase representing auxiliary information related to the operation and/or object and inputting the phrase data; and

storage means for storing the three phrase data input for each work standard in a memory together with identifiers.

2. The system according to claim 1, further comprising identifier giving means for putting a plurality of work standards together into an upper work group and giving a group identifier to each of the groups put together.

3. The system according to claim 1, wherein the work group is classified into one of a component group formed from a plurality of work standards, a model group formed from a plurality of components, and a genre group formed from a plurality of models.

4. The system according to claim 3, further comprising:

a window for displaying a plurality of work standards,

5 selection means for selecting a desired work standard from the work standards displayed in said window, and

10 an input field provided in said window to input and display a work group identifier to be given to the selected work standard.

5. The system according to claim 1, further comprising means for translating an expression of at least one of the three phrases.

6. The system according to claim 5, wherein a display 15 window is output, the display window having

an identifier field for inputting an identifier of a work standard as a translation target,

an expression field for displaying expressions of each phrase of the work standard, and

20 a field provided on an opposite side of each expression field to display a translated word.

7. The system according to claim 1, wherein said input means comprises:

25 a dictionary having words or expressions for the operation phrase, object phrase, and comment phrase, and means for, in inputting expressions to the three

phrases, incremental-searching the dictionary for an expression partially having the input word or expression.

8. The system according to claim 5, wherein said  
5 means for translating includes a conversion dictionary between a word in a language used in said system and a translated word in a language of a country where assembly is done.

9. The system according to claim 1, further  
10 comprising:

a window for displaying a plurality of work standards,

means for selecting a desired work standard from the work standards displayed in said window, and

15 editing means for editing a content of the selected work standard.

10. The system according to claim 1, further comprising:

a window for displaying a plurality of work standards,

means for selecting a desired work standard from the work standards displayed in said window, and

editing means for linking another work standard to the selected work standard.

25 11. The system according to claim 9, wherein said editing means edits a content of an expression.

12. The system according to claim 10, wherein said editing means deletes the selected work standard.
13. The system according to claim 10, wherein said editing means adds another work standard before or after  
5 the selected work standard.
14. The system according to claim 10, wherein said editing means exchanges an operation order of the selected work standard with that of another work standard.
- 10 15. The system according to claim 1, further comprising:
  - means for selecting an arbitrary work standard,
  - and
  - means for attaching voice data having a content related to the work to the selected work standard.
- 15 16. The system according to claim 1, further comprising:
  - means for selecting an arbitrary work standard,
  - and
  - means for attaching image data having a content related to the work to the selected work standard.
- 20 17. The system according to claim 16, wherein the image data is still image data.
18. The system according to claim 1, further  
25 comprising:
  - means for selecting an arbitrary work standard,

and

means for attaching, to the selected work standard, first image data having a content related to the work, voice data for explaining the work standard,  
5 and second image data for explaining relationship between the voice data and the first image data.

19. The system according to claim 1, further comprising display means for displaying a plurality of work standards in an order of inputs by said input  
10 means.

20. The system according to claim 18, further comprising:

display means for displaying a plurality of work standards in an order of inputs by said input means, and  
15 means for reconstructing images attached to the plurality of work standards displayed by said display means in the order of works.

21. The system according to claim 18, further comprising:

20 display means for displaying a plurality of work standards in an order of inputs by said input means, and means for playing back the voice data attached to the plurality of work standards displayed by said display means in the order of works.

25 22. A distributed client/server database system comprising:

a server including said storage means of claim 1;  
and

a plurality of clients each having said input  
means of claim 1.

5 23. A work standard creation method of creating a work  
standard data related to an assembly work of various  
goods to manage the assembly work of the goods,  
comprising:

10 an input step of describing a work related to each  
work standard using an operation phrase representing an  
operation of the work, an object phrase representing a  
target of the operation, and a comment phrase  
representing auxiliary information related to the  
operation and/or object and inputting the phrase data;

15 and

a storage step of storing the three phrase data  
input for each work standard in a memory together with  
identifiers.

24. The method according to claim 23, further  
20 comprising an identifier giving step of putting a  
plurality of work standards together into an upper work  
group and giving a group identifier to each of the  
groups put together.

25. The method according to claim 23, wherein the work  
group is classified into one of a component group formed  
from a plurality of work standards, a model group formed

from a plurality of components, and a genre group formed from a plurality of models.

26. The method according to claim 25, further comprising:

- 5        a selection step of displaying a plurality of work standards in a window and selecting a desired work standard from the displayed work standards, and  
            a step of inputting a work group identifier to be given to the selected work standard to an input field provided in the window and displaying the identifier.
- 10

27. The method according to claim 23, further comprising a step of translating an expression of at least one of the three phrases.

- 15
28. The method according to claim 27, further comprising steps of:

            inputting an identifier of a work standard as a translation target to an identifier field,

            displaying expressions of each phrase of the work standard in an expression field, and

- 20
29. The method according to claim 23, wherein said input step comprises a step of, using a dictionary having words or expressions for the operation phrase,

- 25
- object phrase, and comment phrase, in inputting expressions to the three phrases, incremental-searching

the dictionary for an expression partially having the input word or expression.

30. The method according to claim 27, wherein, in said step of translating, a conversion dictionary between a word in a language used in the system and a translated word in a language of a country where assembly is done is used.

31. The method according to claim 23, further comprising:

10 a step of displaying a plurality of work standards in a window,

a step of selecting a desired work standard from the work standards displayed in the window, and  
an editing step of editing a content of the

15 selected work standard.

32. The method according to claim 23, further comprising:

a step of displaying a plurality of work standards in a window,

20 a step of selecting a desired work standard from the work standards displayed in the window, and  
a step of linking another work standard to the

selected work standard.

33. The method according to claim 31, wherein, in said 25 editing step, a content of an expression is edited.

34. The method according to claim 32, wherein, in said

editing step, the selected work standard is deleted.

35. The method according to claim 32, wherein, in said editing step, another work standard is added before or after the selected work standard.

5 36. The method according to claim 32, wherein, in said editing step, an operation order of the selected work standard is exchanged with that of another work standard.

37. The method according to claim 23, further  
10 comprising:

a step of selecting an arbitrary work standard,  
and

a step of attaching voice data having a content related to the work to the selected work standard.

15 38. The method according to claim 23, further comprising:

a step of selecting an arbitrary work standard,  
and

a step of attaching image data having a content  
20 related to the work to the selected work standard.

39. The method according to claim 38, wherein the image data is still image data.

40. The method according to claim 23, further comprising:

25 a step of selecting an arbitrary work standard,  
and

a step of attaching, to the selected work standard, first image data having a content related to the work, voice data for explaining the work standard, and second image data for explaining relationship

5 between the voice data and the first image data.

41. The method according to claim 23, further comprising a display step of displaying a plurality of work standards in an order of input in said input step.

42. The method according to claim 40, further  
10 comprising:

a display step of displaying a plurality of work standards in an order of input in the input step, and

a step of reconstructing images attached to the plurality of work standards displayed in the display  
15 step in the order of works.

43. The method according to claim 40, further comprising:

a display step of displaying a plurality of work standards in an order of input in the input step, and

20 a step of playing back the voice data attached to the plurality of work standards displayed in the display step in the order of works.

44. The method according to claim 39, wherein the image data is moving image data.

25 45. The system according to claim 16, wherein the image data is moving image data.

46. A computer program storage medium which stores program codes of said work standard creation method to realize said work standard creation method of claim 23 by a computer system.

5 47. The system according to claim 16, wherein the image data attached to the work standard comprises a plurality of still image data or one moving image data.

48. The system according to claim 1, wherein contents of works are classified in units of works, and a 10 parameter is attached to each of the classified work contents.

49. The system according to claim 48, wherein a work and an image corresponding to an operation content of the work are linked to a parameter linked to the work 15 content.

50. The system according to claim 49, further comprising means for designating a name of an operation and a value of a parameter related to the operation to search for image data of a corresponding work.

20 51. The system according to claim 2, wherein the work group is classified into one of a component group formed from a plurality of work standards, a model group formed from a plurality of components, and a genre group formed from a plurality of models.

25 52. The system according to claim 6, further comprising a conversion dictionary between a word in a

language used in said system and a translated word in a language of a country where assembly is done.

53. The method according to claim 24, wherein the work group is classified into one of a component group formed from a plurality of work standards, a model group formed from a plurality of components, and a genre group formed from a plurality of models.

54. The method according to claim 28, wherein a conversion dictionary between a word in a language used 10 in the system and a translated word in a language of a country where assembly is done.